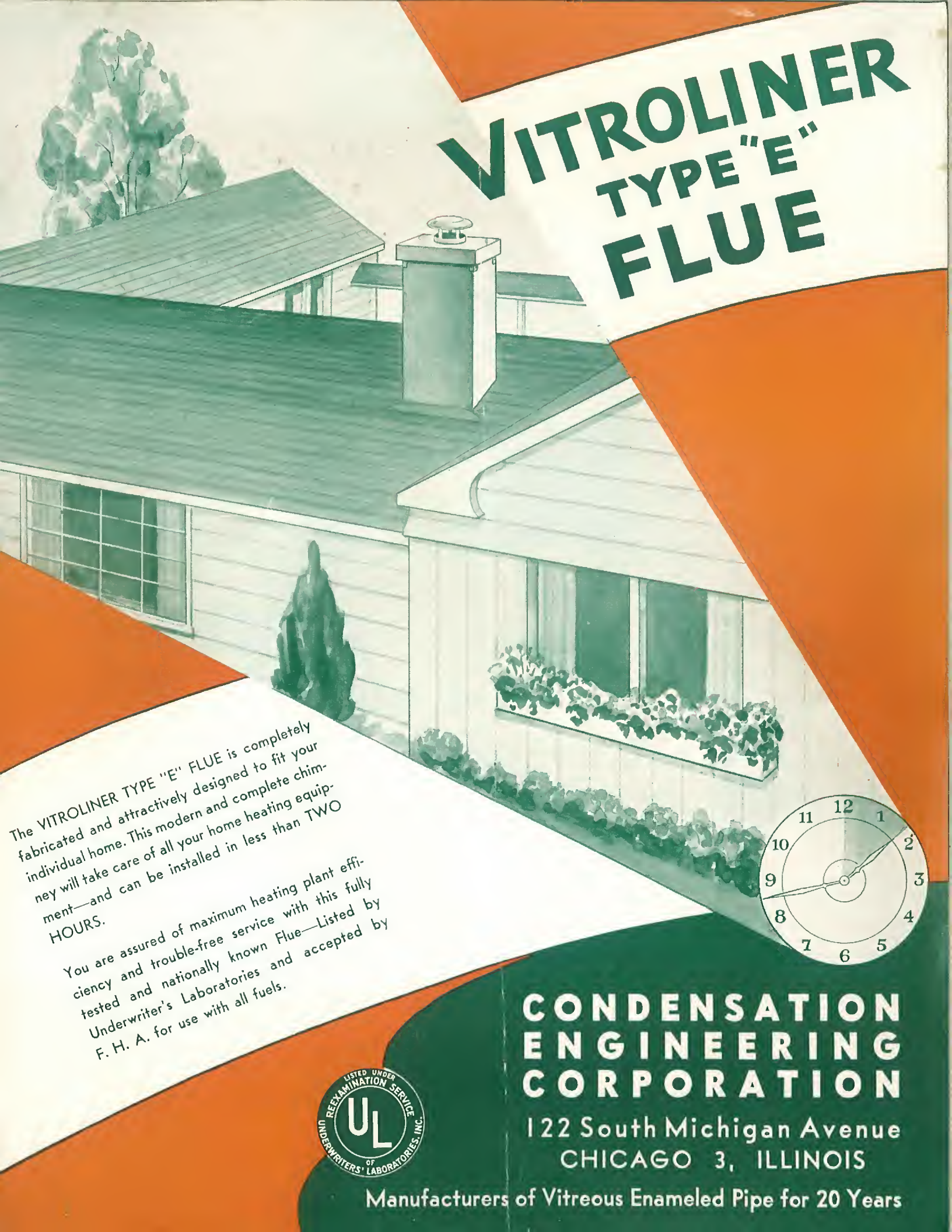


VITROLINER TYPE "E" FLUE

An illustration of a two-story house with a green roof and white siding. A tall, rectangular, light-colored flue chimney with a decorative cap rises from the roof. The house has several windows, some with flower boxes underneath. The background is a mix of white and orange geometric shapes.

The VITROLINER TYPE "E" FLUE is completely fabricated and attractively designed to fit your individual home. This modern and complete chimney will take care of all your home heating equipment—and can be installed in less than TWO HOURS.

You are assured of maximum heating plant efficiency and trouble-free service with this fully tested and nationally known Flue—Listed by Underwriter's Laboratories and accepted by F. H. A. for use with all fuels.



**CONDENSATION
ENGINEERING
CORPORATION**

122 South Michigan Avenue
CHICAGO 3, ILLINOIS

Manufacturers of Vitreous Enameled Pipe for 20 Years



V the Superior Flue
Trade Mark Registered
The Modern Type "E" Pipe
Time Test

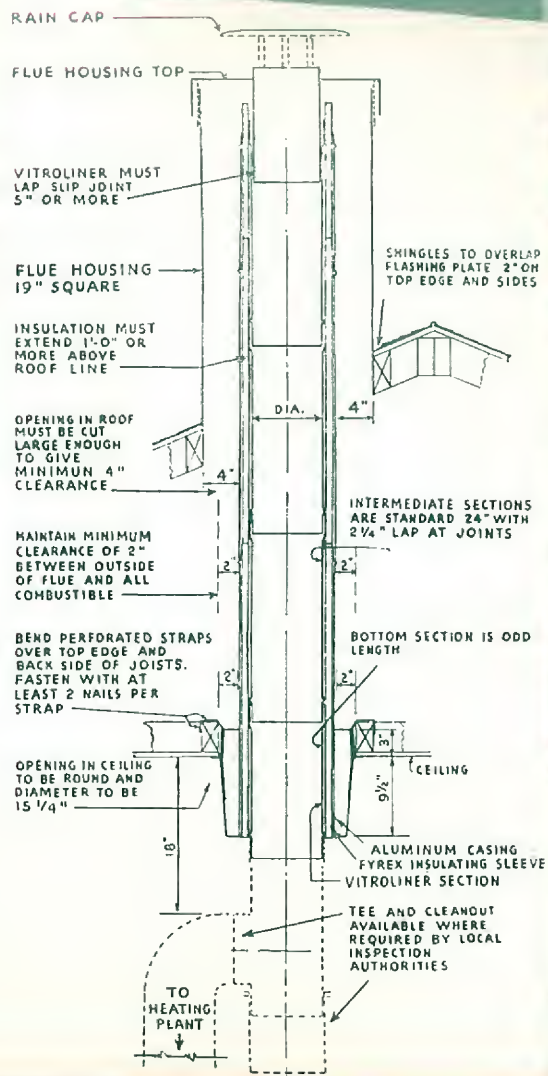
Time Test

The Vitroliner Type "E" Flue, popular on the
ground of engineering development, has been
Army and Navy construction—patented
by the Underwriters Laboratories
in this period and have been PRO

The Type
buildings
from the
coal, oil o
constructi
used for t

Now available
a thousand-
dimensions

The initial
It is light in
is no mainte
the roof.
For efficien
surface alle
quickly. Ge
heating pla
harmful an
this the Vit



QUALITY CONSTRUCTION

Above is illustrated the patented construction of this revolutionary flue. The weight is supported entirely from the ceiling joists — the flue weighs approximately 10 lbs. per ft., making the average flue 100 lbs. The acid-resisting inner flue is manufactured from heavy gauge, high quality steel, coated inside and out with two coats special acid-resisting vitreous enamel fused on at 1550° F. Special non-combustible insulation in convenient tubes is placed around the inner flue and protected by rust-resisting aluminum casing. The flue housing on the outside which is made of galvanized sheet steel has a trim appearance and can be attractively painted. The flue can be located directly above the heating plant in any part of the house.



refabricated Flues

ed for All Fuels . . .

ularly known as the packaged chimney, has a ten year back-
ent. This modern flue was successfully used during the war in
assed tests by the Bureau of Standards and listed as acceptable
s for all fuels. Over 85,000 Vitroliner Flues have been installed
OVEN satisfactory in every respect.

CONSTRUCTION REQUIREMENTS

e "E" Flue is designed to be used in bungalows or in single story
where the heating plant is on the first floor and the flue extends
ceiling thru an unoccupied attic space. In this type construction
or gas can be used. This flue is also designed for any other type
tion (multiple floors or basement installation) when gas only is
fuel.

AVAILABLE IN ANY QUANTITY

able for individual homes and large building projects. You can order one or
d—each serves as a complete chimney—each is designed to fit the exact
s of the homes it is being installed on.

ECONOMICAL AND EFFICIENT

cost of the Type "E" Vitroliner flue is highly competitive to other types.
n weight and can be installed in less than two hours. Properly installed, there
tenance expense except an occasional painting of the metal housing above

ncy and performance, the Vitroliner Flue is unsurpassed. The smooth inner
ows free passage of combustion gases. The metal liner heats and cools
ood drafts are assured and draft losses are held to a minimum when the
ant is not in operation. The Vitroliner Flue is designed to withstand all the
nd destructive properties created by products of combustion. Because of
troliner Flue has a LONG LIFE.



THE VITROLINER PATENTED EXPANSION JOINT ILLUSTRATED ABOVE PROVIDES FOR TEMPERATURE CHANGES. NOTE THE UNIQUE CONSTRUCTION ALLOWING ATTIC VENTILATION.

VITROLINER FEATURES

- LOWER INITIAL COST
- QUALITY BUILT OF FINEST MATERIALS
- INSTALLED IN TWO HOURS
- NO MAINTENANCE PROBLEMS
- LIGHT WEIGHT
- LONG LIFE
- IMPROVES HEATING EQUIPMENT PERFORMANCE
- SAVES FLOOR SPACE
- SHIPPED COMPLETE IN A PACKAGE

TESTED AND PROVED SUCCESSFUL THRU TEN YEARS OF SERVICE

CONDENSATION ENGINEERING CORPORATION



Simple and Easy Installation

Can be Installed in Less Than Two Hours

The Vitroliner Flue comes complete in a package for assembling in the following manner:

Insert the male end of the section through hole in bottom of flue support. The bead of Vitroliner section will now rest on bottom of flue support, and male end will project through hole. Next, slide the FYREX insulating sleeve over Vitroliner Section and then slide outer aluminum casing over insulation with female end down.

Insert all intermediate sections as illustrated. First the Vitroliner Section, male end down, then the FYREX insulation sleeve, and last the outer aluminum casing, female end down. Top inner Vitroliner Section is next put together in same manner as previous section. This section will extend a minimum of 5 inches over the slip joint.

Lift these assembled sections and push through hole in ceiling until rim of flue support is flush against ceiling. Crimped section will extend into attic. Cut hole in ceiling, 15" in diameter, so that rim of flue support rests flush against ceiling as illustrated.

Nail the 4 perforated straps securely over joists drawing flue support firmly against ceiling. A rectangular hole in roof (previously cut) must be 19" square to give minimum 4-inch clearance between all sides of opening and outer aluminum casing.

The flue housing is dropped down in position so that flashing plate rests flush on roof boards. The flue housing top section is bolted securely to flue housing which completes the erection of the Vitroliner flue. The slip joint of flue housing top fits INSIDE of top inner Vitroliner section.

OUR ENGINEERING DEPARTMENT CAN HELP SOLVE YOUR CHIMNEY PROBLEMS AND IS ALWAYS AT YOUR SERVICE — WRITE TODAY.



CONDENSATION ENGINEERING CORPORATION

122 South Michigan Avenue
CHICAGO 3, ILLINOIS

Manufacturers of Vitreous Enameled Pipe for 20 Years

FOR QUOTATION
FILL IN FOLLOWING DIMENSIONS

A _____ ROOF PITCH _____
B _____ NO. OF FLUES
REQUIRED _____
C _____
DIA. _____

RAIN CAP

FLUE HOUSING TOP

VITROLINER MUST
LAP SLIP JOINT
5" OR MORE

FLUE HOUSING
19" SQUARE

INSULATION MUST
EXTEND 1'-0" OR
MORE ABOVE
ROOF LINE

OPENING IN ROOF
MUST BE CUT
LARGE ENOUGH
TO GIVE
MINIMUM 4"
CLEARANCE

MAINTAIN MINIMUM
CLEARANCE OF 2"
BETWEEN OUTSIDE
OF FLUE AND ALL
COMBUSTIBLE

BEND PERFORATED STRAPS
OVER TOP EDGE AND
BACK SIDE OF JOISTS.
FASTEN WITH AT
LEAST 2 NAILS PER
STRAP

OPENING IN CEILING
TO BE ROUND AND
DIAMETER TO BE
15 1/4"

TEE AND CLEANOUT
AVAILABLE WHERE
REQUIRED BY LOCAL
INSPECTION
AUTHORITIES

SHINGLES TO OVERLAP
FLASHING PLATE 2" ON
TOP EDGE AND SIDES

12" ?
ROOF PITCH

INTERMEDIATE SECTIONS
ARE STANDARD 24" WITH
2 1/4" LAP AT JOINTS

BOTTOM SECTION IS ODD
LENGTH

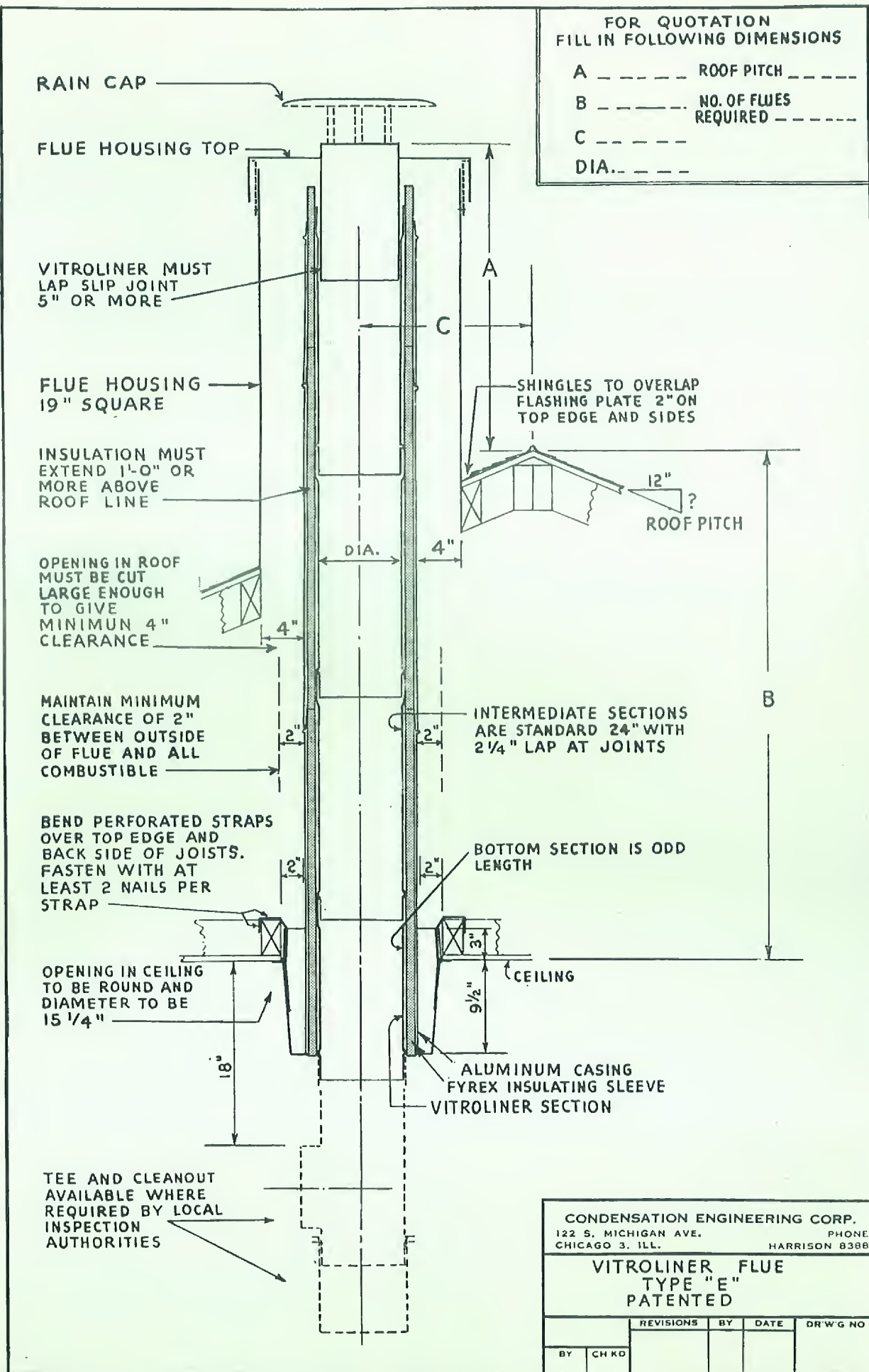
CEILING

ALUMINUM CASING
FYREX INSULATING SLEEVE
VITROLINER SECTION

CONDENSATION ENGINEERING CORP.
122 S. MICHIGAN AVE. CHICAGO 3, ILL. PHONE HARRISON 8388

VITROLINER FLUE
TYPE "E"
PATENTED

REVISIONS		BY	DATE	OR W G NO
BY	CH KD			



LIST PRICES OF THE VITROLINER TYPE "E" FLUE

A COMPLETE CHIMNEY IN A PACKAGE

EFFECTIVE MARCH 15, 1948

"B" DIMENSIONS	6" DIAMETER FLUE						7" DIAMETER FLUE						8" DIAMETER FLUE					
	"C" DIMENSIONS						"C" DIMENSIONS						"C" DIMENSIONS					
	8" or Less	9" 1'-3"	1'-4" 2'-0"	2'-1" 3'-0"	3'-1" 4'-8"	4'-9" 6'-6"	8" or Less	9" 1'-3"	1'-4" 2'-0"	2'-1" 3'-0"	3'-1" 4'-8"	4'-9" 6'-6"	8" or Less	9" 1'-3"	1'-4" 2'-0"	2'-1" 3'-0"	3'-1" 4'-8"	4'-9" 6'-6"
2'-0" to 2'-3"	\$39.50	\$40.50	\$42.50	\$44.50	\$46.50	\$50.50	\$41.50	\$42.50	\$44.50	\$46.50	\$48.50	\$52.50	\$43.25	\$44.25	\$46.25	\$48.25	\$50.25	\$54.25
2'-3" to 2'-6"	42.25	43.25	45.25	47.25	49.25	53.50	44.75	45.75	47.75	49.75	51.75	55.75	46.75	47.75	49.75	51.75	53.75	57.75
2'-6" to 3'-3"	42.75	43.75	45.75	47.75	49.75	53.75	45.25	46.25	48.25	50.25	52.25	56.25	47.25	48.25	50.25	52.25	54.25	58.25
3'-3" to 3'-6"	43.25	44.25	46.25	48.25	50.25	54.25	46.00	47.00	49.00	51.00	53.00	57.00	48.00	49.00	51.00	53.00	55.00	59.00
3'-6" to 4'-0"	45.00	46.00	48.00	50.00	52.00	56.00	48.25	49.25	51.25	53.25	55.25	59.25	50.50	51.50	53.50	55.50	57.50	61.50
4'-0" to 4'-3"	46.25	47.25	49.25	51.25	53.25	57.25	50.00	51.00	53.00	55.00	57.00	61.00	52.00	53.00	55.00	57.00	59.00	63.00
4'-3" to 5'-0"	48.25	49.25	51.25	53.25	55.25	59.25	52.50	53.50	55.50	57.50	59.50	63.50	54.50	55.50	57.50	59.50	61.50	65.50
5'-0" to 5'-3"	49.00	50.00	52.00	54.00	56.00	60.00	53.25	54.25	56.25	58.25	60.25	64.25	55.50	56.50	58.50	60.50	62.50	66.50
5'-3" to 5'-9"	51.50	52.50	54.50	56.50	58.50	62.50	55.50	56.50	58.50	60.50	62.50	66.50	58.25	59.25	61.25	63.25	65.25	69.25
5'-9" to 6'-3"	52.50	53.50	55.50	57.50	59.50	63.50	56.50	57.50	59.50	61.50	63.50	67.50	60.00	61.00	63.00	65.00	67.00	71.00
6'-3" to 6'-9"	54.00	55.00	57.00	59.00	61.00	65.00	58.50	59.50	61.50	63.50	65.50	69.50	62.00	63.00	65.00	67.00	69.00	73.00
6'-9" to 7'-9"	57.00	58.00	60.00	62.00	64.00	68.00	62.50	63.50	65.50	67.50	69.50	73.50	66.00	67.00	69.00	71.00	73.00	77.00
7'-9" to 8'-9"	59.00	60.00	62.00	64.00	66.00	70.00	64.75	65.75	67.75	69.75	71.75	75.75	69.00	70.00	72.00	74.00	76.00	80.00
8'-9" to 9'-3"	61.25	62.25	64.25	66.25	68.25	72.25	67.00	68.00	70.00	72.00	74.00	78.00	71.25	72.25	74.25	76.25	79.25	82.25
9'-3" to 9'-9"	63.75	64.75	66.75	68.75	70.75	74.75	70.00	71.00	73.00	75.00	77.00	81.00	74.50	75.50	77.50	79.50	82.50	85.50
9'-9" to 10'-0"	64.75	65.75	67.75	69.75	71.75	75.75	71.00	72.00	74.00	76.00	78.00	82.00	75.50	76.50	78.50	80.50	83.50	86.50

The price of a flue as determined by the "B," "C" and "Diameter" dimension covers complete flue from 9 1/2" below ceiling to approximately 2' above peak of the roof.

When ordering, send quotation dimensions shown on reverse side of price list and a flue will be made to fit the exact dimensions.

Quantity Discounts to Contractors and Builders
 1 to 4 Flues 5%
 5 to 49 Flues 10%
 50 to 99 Flues 15%
 100 or More 20%

Shipping weight less than 10 lbs. per foot.

INSTALLATION TIME APPROXIMATELY 2 MAN-HOURS PER FLUE

ALL PRICES F.O.B. CHICAGO, ILLINOIS
 Subject to Change Without Notice

To determine price of flue, first select "B" dimension at left. Then in the "C" dimension column under the Diameter Size read the complete price. No other figuring necessary. To determine "B" and "C" dimensions, see reverse side.

NOTE:
 Flues with a "C" Dimension of More Than 6'-6" or Flat Roof Flue Figured Special.



CONDENSATION ENGINEERING CORPORATION
 122 SO. MICHIGAN AVENUE
 HARRISON 8388
 CHICAGO 3, ILLINOIS